

HIGHWAYS OF BRICK.

Method For Constructing a Road of This Material.

GRADING IMPORTANT FACTOR

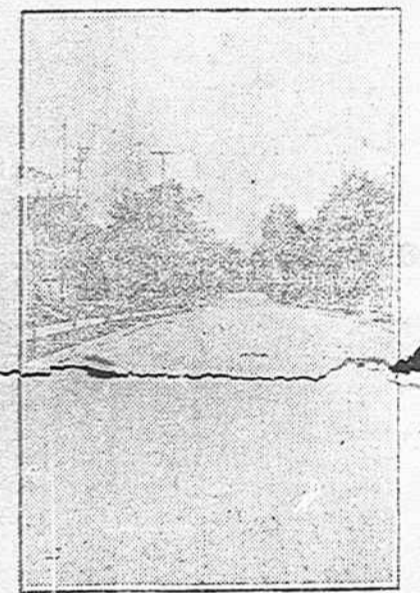
For Satisfactory Results the Bed Must Be Entirely Free From Depressions. Proper and Economical Way of Laying the Brick.

In an address before a recent engineering convention in Indiana on the construction of brick highways, W. L. Blair said: A brick highway to be entirely satisfactory must be entirely free from depressions, every part conforming to the grade. This result must be anticipated in the preparation of the sand cushion, first spread at the estimated depth of two inches and these depressions are filled by the use of a hand roller, weighing from 200 to 400 pounds, additional sand applied, rolled and screeded again at least three times. At the last screeding it will be found that the uncompressed sand will not be over one-quarter inch in depth at any one point.

It is certain also that in ironing out what few depressions remain and compacting the brick into the cushion but very little sand will be pushed into the interstices by the final rolling.

The brick should be dropped in straight lines upon the sand cushion, with the best edge of the brick uppermost. Economy for the contractor would require that the brick be brought to and deposited within reach of the person who actually lays the brick in a way that will accommodate his method of dropping them in place, insuring the best edge uppermost. But previous to dropping the brick in the street attention must be given to the necessary provision for the expansion cushion next to the curb.

The board should be prepared by beveling a joist eight inches in width, the thickness determined largely by the width of the street. Even in a narrow street the expansion cushion



From Good Roads Magazine, New York. WELL BUILT BRICK ROADWAY.

should not be less than one inch, one and one-quarter inches for a thirty foot street and one and one-half inches for a width exceeding thirty feet. This board should be placed next to the curb, worked slightly into the sand cushion before the brick are laid and remain until the street is finished in all other respects, after which it should be removed within twenty-four hours following the application of the cement filler.

After the brick are dropped into the street the surface should be swept, precaution theretofore exercised that no brick go into the street which are dirty, or, after in, that they are not made so by use, as it is impossible for the cement filler to adhere to a dirty surface. After the sweeping thorough rolling must take place by the use of a roller not weighing over five tons.

The filler shall be composed of one part each of clean, sharp sand and portland cement. The sand should be dry. The mixture, not exceeding one-third bushel of the sand, together with a like amount of cement, shall be placed in the box and mixed dry until the mass assumes an even and unbroken shade. Then water shall be added, forming a liquid mixture of the consistency of thin cream.

From the time the water is applied until the last drop is removed and floated into the joints of the brick pavement the mixture must be kept in constant motion.

To avoid the possibility of thickening at any point there should be a man with a sprinkling can, the head perforated with small holes, sprinkling the surface ahead of the sweepers.

Within one-half to three-quarters of an hour after this last coat is applied and the ground between the joints has fully subsided and the initial set is taking place the whole surface must be slightly sprinkled and all surplus mixture left on the tops of the brick swept into the joints.

After the joints are thus filled flush with the top of the brick and sufficient time for hardening has elapsed, so that the coating of sand will not absorb any moisture from the cement mixture, one-half inch of sand shall be spread over the whole surface, and in case the work is subjected to a hot summer sun an occasional sprinkling, sufficient to dampen the sand, should be followed for two or three days.

The last steps upon which depend the highest possibilities of the brick street are the proper rolling of the brick after they are in the street and the ironing out of any slight depressions found to exist.

Rock Hill Buggies

McCORMICK

MOWERS AND RAKES

AND A FULL STOCK OF

Farm Implements, Farm Supplies

and Harness.

We make close prices and terms to please

the buyer. We want your trade.

— COME AND SEE ME —

M. W. DOTY.

THE LAND OF COTTON

Is pretty busy these days getting ready to handle the new crop. We call the attention of gin owners to our stock of

Gin Belting, Belt Lacing, Lubricating Oils, Gin Bristles, Gin Files, Etc.

You'll find us amply able and willing to fill any order promptly and satisfactorily. Note the following prices on lace cut leathers:

1-2 inch wide, \$1.15 per 100 lin. ft.
5-8 inch wide, 1.50 per 100 lin. ft.
3-4 inch wide, 1.85 per 100 lin. ft.

Hay Wire For Baling.

For baling hay we can furnish you wire in 100 pound coils, or in bundles, 250 strands to the bundle.

Mail us your orders today. Price list upon application.

Lorick & Lowrance, Inc.,

Columbia, S. C.

Phones 79, 791 and 166.

We Can Sell You

New Engines, Boilers, Cotton Gins, Etc.

Also have several splendid second-hand outfits for sale or trade. Ask for our list of second-hand engines, gins, presses, etc.

W. O. McKeown & Sons,

McKeown Shops,

CORNWELL, S. C.

SOUTHERN
TEACHERS'
AGENCY
Columbia, S. C.

TEACHERS WANTED.

We want you as a member and can help you to secure a BETTER POSITION. Have averaged a TWENTY PER CENT increase for each teacher placed. See our booklet, A PLAN. W. H. JONES, Mgr.

SUMMONS.

STATE OF SOUTH CAROLINA.
COUNTY OF FAIRFIELD.
COURT OF COMMON PLEAS.

The Fairfield Granite Company, Amos E. Davis, Mrs. Agnes M. Anderson, Mrs. Helen Turner, as Executors, W. G. Atkinson, D. I. Middleton, Mrs. Lucy H. Haskell and Preston H. Haskell, as Executors of the Will of John C. Haskell, and William H. Lyles, Plaintiffs,

against
W. A. Esson, The Esson Granite Company and George R. Collins, as Receiver of The Esson Granite Company, Defendants.

Summons for Relief. Complaint Served.

To the Defendants above named:

You are hereby summoned and required to answer the complaint in this action, which was filed in the office of the Clerk of the Court of Common Pleas and General Sessions for said Fairfield County, in Winstonsboro, in said State, 5th day of July, 1910, and to serve a copy of your answer to the said complaint on the subscribers at their offices, No. 1215 Washington street, Columbia, South Carolina, within twenty days after the service hereof, exclusive of the day of such service; and if you fail to answer the complaint within the time aforesaid, the plaintiffs in this action will apply to the Court for the relief demanded in the complaint.

Dated at Columbia, S. C., July 7, 1910.

LYLES & LYLES,
Plaintiffs' Attorneys.

To the Defendants, W. A. Esson, The Esson Granite Company and George R. Collins, as Receiver of The Esson Granite Company:

You will please take notice, that the summons in the above entitled matter, together with the complaint, was filed in the office of the Clerk of the Court of Common Pleas for Fairfield County, at Winstonsboro, S. C., on the 5th day of July, 1910.

7-9-10 LYLES & LYLES,
Plaintiffs' Attorneys.

The City Pressing Club's Work.

IS IT JUST AS GOOD?

OH, NO! BETTER!

WHY?

By taking a special course in Tailoring, session 1909, and having completed Designing, Drafting and Cutting at The New York Cutting School, 1133-1135 Broadway, N. Y., and after mastering the profession from A to Z, was admitted into the J. T. U. of A., getting a position on the board for two seasons. Therefore the answer is easy.

Cleanliness
Promptness
and
Thoroughness

is better. In other words, these are the principles that go into your garments when given to BENSON.

Try him and note the difference. Nothing too hard. Nothing too delicate.

S. Isaiah Benson,

Custom Tailor,

Designer, Drafter and Cutter.

DON'T GET HOT

Let us ship you a sack of ice.

We make the best obtainable, by the most improved hygeine methods, from distilled water.

Palmetto Ice Co.

Box 196, Columbia, S. C.

The University of South Carolina.

Varied courses of study in Science, Liberal Arts, Education, Civil and Electrical Engineering and Law.

College fees, room, lights, etc., \$25; board, \$12 per month. For those paying tuition, \$40 additional.

The health and morals of the students are the first consideration of the faculty.

43 Teachers' Scholarships, worth \$158.

For Catalogue, write to

S. C. MITCHELL, Pres.,

COLUMBIA, S. C.

6-18

To Arrive This Week.

A Carload of

JOHNSON'S

Mowers and Rakes.

NONE BETTER.

McMaster-Davis Co.

TWO SPECIALS.

Wire Screen Doors and Windows of all sizes and styles.

Ice Cream Churns of the most approved principle.

J. W. SEIGLER.

ERSKINE COLLEGE Has contributed some potent foreses to the citizenship of Fairfield county through the graduates located in the county.

ERSKINE COLLEGE Stands ready to do further good work for Fairfield counts and to this end solicits its school patronage.

ERSKINE COLLEGE Gives thorough instruction in all departments. Two courses leading to the degree of A. B.

THE WYLIE HOME Offers an exceptional opportunity to young women ready for the Freshman class.

Write at once for illustrated catalogue to
J. S. MOFFATT, PRESIDENT.
Due West, S. C.

WOFFORD COLLEGE

HENRY NELSON SNYDER, A. M., Litt. D., LL.D. President.

Ten Departments; Library and Librarian; Gymnasium under competent Director; Athletic Grounds. Next Session begins Sept. 14.

For Catalogue address

J. A. GAMEWELL, SECRETARY,
Spartanburg, S. C.

WOFFORD COLLEGE FITTING SCHOOL

SPARTANBURG, S. C.

HIGH GRBDE PREPARATORY SCHOOL

Well equipped plant. Limited school; small classes; charges reasonable. Session begins Sept. 14. For catalogue address A. M. DUPREE, HEADMASTER, Spartanburg, S. C.

THE JUNE BRIDE

WILL APPRECIATE HER PRESENT
ALL THE MORE IF IT IS PACKED IN
A BOX BEARING THE NAME OF

L. A. WISE,

CHESTER, S. C.

Mail Orders Promptly Filled. Satisfaction Guaranteed.